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The Students of Worcester Polytechnic Institute

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PUNT WEEKEND



THE BAND

The Band will be playing The Music this Saturday night in Harrington Gymnasium. The concert is scheduled to begin at 8 p.m. and should be a sellout.

The Band has been around a lot longer than most people know, but they first came to prominence as the back up group for Bob Dylan on his "Blonde on Blonde" album.

Breaking out on their own, they put out an album called "Music From Big Pink" which became one of his biggest sellers of the year. The album featured such songs as "Chest Fever", "This Wheel's on Fire", and "The Weight".

Their second album, called simply "The Band", was released last year and was an immediate hit. With that record they became the wonders of the rock scene. TIME magazine did a special on them and their concert price sky-rocketed.

The music of the band is a sort of sophisticated country sound. The group features perhaps the best musicians in rock music with Jaime Robbie Robertson on lead guitar and Garth Hudson on organ as well as Levon Helm, Rick Danko and Rich Manuel.

The Band now picks its concert dates carefully. Everything has to be perfect in order for them to produce the sound that they demand. Friday night could prove to be the best concert, musically, that this campus has ever seen. No gimmicks, no theatrics, just music.

The way only The Band can play it.

Tickets will be available all week in Daniels.

On Friday night November 6 guitarist John Fahey will appear at the "Friday The 13th" Coffeehouse. His music is acoustic blues guitar and he is considered the best blues guitarist in the country. However, he is not only an excellent performer but also an expert in the musicology of Southern folk blues, from which he gets most of his material. As a recording artist John Fahey has over ten albums on the Fatoma record label.



The Tech News

Vol. 61

Worcester, Massachusetts

Tuesday Nov. 3, 1970

No. 22

FEW ATTEND PEACE RALLIES

200 in Worcester 1,000 in Boston
by Al Dion by Charles Brine

A rally for peace and support of immediate withdrawal of troops from Indochina was held Saturday afternoon in front of the Worcester City Hall. While similar to demonstrations around the country, it was more akin to the one in Boston because its purpose was to invoke Mass. voters to select immediate withdrawal on the November Vietnam referendum. This referendum lists the choices a) military victory, b) gradual withdrawal and c) immediate withdrawal, and will appear only on the Mass. ballot.

The rally was preceded by a march from Clark. Students from Clark walked en masse down Main St. to the city hall where they joined those already assembled to form a conspicuously sparse crowd of about 200 (including commuters). The speakers arranged by the Student Mobilization Committee (the main backers of the rally) were numerous and spoke long enough to try the patience of those who did show up.

After a brief reading of anti-war poems, Prof. Mike True of Assumption spoke to the crowd. He urged those assembled to vote for choice C on the referendum and challenged those in the peace movement to keep working, quoting Thoreau that "voting for the right is not actually doing anything for the right cause." This view was supported by Andy Ferrand, a co-ordinator of the Clark S.M.C. Ferrand went on to say that the idea of gradual withdrawal was a mockery that could take as long as Nixon wants. He later mentioned some shift of labor to the peace movement and that hopefully there would be more organizations giving their support in the near future. Toby Singer, representing Women's Lib, spoke next and tended to digress from the central topic as she discussed

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The Peace Rally in Boston on Saturday, October 31st was really not much as peace rallies go. . . . Slated as an all-factions demonstration, the rally just never really seemed to pick up the numbers nor the excitement that previous rallies have. In comparison to the enthusiastic 100,000 crowd which jammed the Boston Common last October, the crowd of about 1,000 seemed quite small and quite subdued. The rally was preceded by a march from Boston University by a group of about 200 students down Commonwealth Avenue through the Public Gardens and onto the Boston Common adjacent to the Massachusetts Statehouse. Speakers followed and some folk singing was interspersed in the program. The slogans, the banners, the buttons, and the themes were all the same as those of last year except for support of referendum position "C" on the war question; that is, immediate withdrawal from Vietnam. Perhaps the only quip from the speakers that brought any audience response was in reference to the referendum when one speaker said "Gradual (withdrawal) can mean a lifetime."

The mood of the crowd was one of serene calm. However, this calm seemed mostly the result of the prevailing feeling of frustration among the demonstrators, the same frustration which probably held the crowd down. In fact, as I toured the Common it seemed that most of those I questioned had come out because it was sunny and warm and were only mildly anxious about the rally. As I proceeded down to B.U. later, the same attitude became increasingly apparent. The college students who had poured out such enthusiasm last May just don't feel their efforts are doing any good and have lost faith in the value of demonstrations and rallies.

WPI RELEASES ANNUAL REPORT \$400,000 Deficit Revealed

Worcester Polytechnic Institute's assets and liabilities, physical and human as well as academic and financial, have been wrapped up in a published President's annual report for the first time. It was distributed to trustees at their fall meeting at Gordon Library.

The report has also been distributed to the WPI community, alumni, institutions, corporations and learned societies, according to Vice President for Business Affairs David E. Lloyd.

Unique for WPI also, in the report, was a public disclosure of the college's financial status.

President George W. Hazzard said the intent of the report was to convey the spirit of constructive educational growth existing on the WPI campus. He said, "It is a pioneering spirit which stresses the human values in a technological education, nurtured in a costly but effective and efficient learning environment."



V.P. David Lloyd

He stressed that a modest but high quality graduate program is essential in maintaining the quality of the WPI faculty and as a stimulus and example for undergraduates.

He pointed out that WPI's academic facilities are "generally adequate" though some renovation and modernization is needed. Facilities for non-academic programs need much im-

provement and re-orientation, he said.

To combat an era of cost-inflation, particularly in the area of private education, he said, the problem must be met with internal efficiencies and quality of program.

He said, "Educational innovation, while retaining and enhancing student-faculty closeness, is a must. This, continued small size and unique programs with self-imposed limits of technically-based education are our response."

He cited the WPI Plan as the college's major effort during the last 18 months to develop a significant new approach to technically-based education.

The plan centers on the solving of real problems of the student's own choosing. He elects those informal courses which are necessary to develop the solution. The traditional semester plan is being replaced by four seven-week terms, with an optional fifth in the summer. A student normally will take three courses per term. There are a number of other innovations, all of which were announced several weeks ago, to be phased in the 1971.

Vice President Lloyd, who also is treasurer of the WPI corporation, reported that total expenditures and transfers of the college, during 1969-70 reached a record high of \$9,747,686, an increase of more than one million dollars over the previous year's \$8,663,433.

He said, "The increase is caused in part, by innovations in, and future planning of, academic programs, the addition of personnel and institutional planning activities . . . and inflation. These costs, many once only in nature, were not reflected in a less sophisticated past. The activities they support will be a distinct advantage in the future."

He cited student aid funding of \$164,000 above revenues from grants and endowment.

He said that student financial aid

in the form of scholarships, opportunity grants and loans is represented as an expanding part of operations. Awards totaled \$776,275 to 568 undergraduates -- an increase of \$208,050 over the previous year.

Lloyd reported that total revenues during 1969-70 rose to a record \$9,349,679 -- an increase of \$904,124 over the previous year's \$8,44,555. Continuing gaps between increased expenditures (\$1,046,865) and increased revenues, (\$904,124) led to a 1969-70 deficit of \$398,007.

In addition to tuition and fees, grants and bequests are important sources of college revenue, Lloyd said, which affect operations. During 1969-70, WPI received \$2,068,781 from private and government sources -- compared with \$3,706,991 the previous year.

He said revenue from endowment and similar funds is another main source which has become an area of great sensitivity. The WPI investment posture in the balanced fund group shows an adjusted market value decline of 23 per cent -- about like many well known commercial funds.

In commenting on WPI's physical plant, Lloyd reported that for the first time since 1963, during the last year, only one major addition was in progress. That was the \$1.5 million Stoddard Residence Center, dedicated today.

Ten years ago, he said, the book value of WPI's physical plant was \$5,318,000. Today, with the completion of Stoddard Residence Center, the book value is \$21,704,000.

"In the near future, we expect relatively few additions to the WPI physical plant which now consists of 18 major building complexes. However, considerable renovation and addition in the student life and project area will be needed," he said.

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by Paul Cleary

"Sargeant, Donahue, Drinan"

Today is election day throughout the country. A day which will, to a certain degree, determine what the mood of the country is. It appears to many observers that the U.S. is in the middle of a right-wing, conservative swing which may see the Republican party make gains in both the house and the senate.

This, however, is not the case in Massachusetts.

The key to elections in Massachusetts is the gubernatorial race. Republican Governor Francis W. Sargent refused the assistance of Spiro Agnew in his campaign. Agnew, oddly enough, is the Republicans' chief money raiser, but Agnew would not have had much appeal in a state which is so overwhelmingly Democratic.

The problem for the Republicans, therefore, is a lack of money.

Senatorial candidate Si Spaulding was pretty much written off a long time ago by the Republican National Committee and his Campaign hunt for money. Expect Ted Kennedy to win re-election by almost as big a margin as in 1964. The '64 margin was close to a million and a quarter votes.

Howard Miller is another Republican candidate who has been given up on by the Republican party. Miller, who has run a terribly stupid campaign at times, has not come out on the offensive like a man trying to defeat an incumbent must do. He lost to Harold Donohue two years ago and can be expected to repeat that performance this year.

The other contests which are arousing the most interest in the state are the Drinan, McGlennon, Philbin contest and the White-Sargent race.

Philbin can hardly be a favorite to win re-election on a sticker campaign. Although the sticker technique has been used successfully before, one can hardly count on it.

With Philbin in the race, McGlennon is the one who stands to lose the most. Drinan supporters are a firm bunch. In this one, I would have to look for a victory for Father Drinan. It may be close, but it doesn't look like McGlennon is going to muster enough votes when it really counts.

The White-Sargent race is the toughest to call. Personally, I would have to give White a victory in last week's televised debate, but how much effect that debate will have on the electorate is questionable. White may have lost too much precious time because of his operation, and no matter how great a flurry he shows at the end it may be all over already.

With so little difference between the two candidates, however, party affiliation may play a stronger role than normal and White could squeak in. I personally don't think so. I would have to look for a Republican victory in this case, one of the few that party may gain in this state.

SALISBURY POND

TASK FORCE

MEETING OF ALL COMMITTEES

WEDNESDAY NIGHT 7:00

DANIEL'S LOUNGE

New people invited to attend.

(This meeting is important as we will be going into the culverts with the Health Department this week.)

ANYONE INTERESTED IN WORKING

AT THE BAND CONCERT

(you get in free)

CONTACT AL GRADET IN DAN. 422



Can You Picture It?

Night has taken up her throne, setting the night clouds churning in the sky. You find yourself strolling about the campus, braving those occasional mischievous currents bearing a forbidden odor, cautiously walking those patches of road illuminated by strobe, on over the Angela Davis bridge towards the area dominated by Boynton Hall's imposing facade. And there before you, draped in lamplight-as if the stars had dropped to hover there-is Lucifer's Lair.

An interesting way to spend a few months of such an evening at such a place, speculating over to what extent our cockeyed perspective has distorted our view of reality, of life down there. It goes beyond the deathless banality you suffer week after week after week in this newspaper: the hysterical flutterings over what Nixon is "really" up to and so on. It extends to our individual outlooks about a whole range of things.

Too many of us perched on this hill are holding presuppositions that filter meaning from the activities and pronouncements of Lucifer's people, even as these presuppositions fashion the disembodied residue into a new reality. The sort of presuppositions which lead some of us to conclude that, after all, much of the American's life style is irrelevant, the spawn of an ugly society overripe for reform at a thousand levels; that those who find themselves in general sympathy with our system and its history are eloquent symbols of the power of sin's attraction.

There is relatively little here by way of a set of institutional norms serving to attenuate such sentiment. Indeed, our isolation here tends to continuously reinforce the echoes of this sentiment, small though the initial vibrations have been. For the influence of this, the new philosophy has been growing exponentially. It has progressed to where last spring many of us suffered a seizure of moral nerve and a concomitant loss of the disposition to act soberly amidst crisis. Tomorrow will likely see us further down the road towards that total commitment this antithetical philosophy logically requires: one cannot tolerate evil, and if certain rules prolong the life of such evil those rules are immoral.

In terms of the long run, the ordinary engineering student is going to breathe the philosophical atmosphere of his school and whatever latent, intuitive attitudes he had, be they moderate or conservative, are going to die of asphyxiation. What then will happen is that when the student lifts his gaze from his book of equations to answer your query, he will respond with, "Oh, yes, of course the War in Vietnam is immoral," as he had eventually discovered after he had been told again and again in the absence of contrary opinion that this was so. And eventually be called upon to

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HOW LONG? FOR AS
LONG AS I'M IN OFFICE!

NOW, GOOD
NIGHT, PAT!



LETTERS IN DEFENSE OF BARON

In support of Don Baron
or Shall Tech concerts
continue to be plagued by audience
response.

Concerning the John Sebastian concert, and the articles in the Tech News issue of Oct. 27th commenting on it, I fail to see how the responsibility for the outcome can be placed upon Don Baron's shoulders. That Sebastian was featured in itself makes it hard to fault Baron. And the accusation that the two or three hundred people allowed to enter without paying "ruined" the concert merely shows the willingness of the Tech audience to attribute all shit to the "townies" absolving themselves. A majority of the crowd (of which a large majority were Tech men and dates) seemed

intent on illustrating their "love" of Sebastian, and their acquaintance with his songs, by shouting out their titles, and singing, pissing-off both Sebastian, and those few actually interested in hearing him perform. That he encountered a "perfect audience" is up for debate-receptive and enthusiastic, naturally, as a performer of Sebastian's magnitude orients his "act" to the level of the crowd. But, as the words of the reviewer, "Sebastian showed his versatility halfway through the concert by playing 'In the Still of the Night' to audience harmony (?)" might indicate a perceptive Tech audience? Ask John Sebastian, or The Grateful Dead.

Peter Angeloff

LOANS AVAILABLE

To The WPI Undergraduate
Student Body:

The purpose of this letter is to alert the WPI undergraduate student body to the increased availability of National Defense Student Loans for the second semester. As a result of the carry-over of the National Defense funds from last year, that were granted too late for lending, plus an unexpected increase in appropriations for this year we have an unusual amount of loan funds available for second semester lending.

May I suggest that any student who has not received a National Defense Student Loan for this year and who can use one for the second semester make application between November 15 and December 15. Further, if any student anticipates a need for a loan in subsequent college years (and who has not received a loan for this academic year) it is recommended

that a loan be secured at this time and held for future need. The reason for this is that the Federal Government is attempting to eliminate the National Defense Loan Program.

The terms of these loans are: No interest while student is attending an institution of higher education full-time either as an undergraduate or graduate, 9 months after termination of formal education the interest begins at 3% with the loan payable in 10 years. No payments required if student is in the Armed Forces, VISTA or Peace Corps for up to 3 years. Principal waivers are available for teaching and time in service.

Application forms will be available in room 304, Boynton Hall, November 15. If there are any questions pertaining to these loans, please see me.

Sincerely,
Mr. Edgar Heslbarth

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No. 22

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754-7412

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CONSORTIUM CORNER

-FILM STUDIES-

The popularity of film studies is growing. In addition to some fine programs offered in the Worcester area, the Consortium now has a specialist. He is Professor Anthony Hodgkinson. His job is to create a film making and film study program for the 10 colleges. Currently, his services are being shared by Clark and Worcester State. Hodgkinson came to Worcester from the Boston University School of Communications. His phone number is 793-7146.

Dr. Stites Lectures On Da Vinci

Dr. Raymond S. Stites, this year's National Sigma Xi lecturer, assured a packed Olin Lecture Hall last Monday that Leonardo da Vinci was normal. The lecture was based upon a book by Dr. Stites which covers a lifetime of research on da Vinci.

Dr. Stites first became interested in da Vinci while recovering in Venice from being gassed in World War I. He read a book by Freud which claimed that one painting by da Vinci reflected his attempt to combine his real mother and his stepmother into one mother image. A later book by Freud, based upon a highly distorted anatomical sketch supposedly drawn by da Vinci, stated that da Vinci had become a scientist because he could not enjoy sex. Dr. Stites began to investigate da Vinci and found that the sketch was not by da Vinci at all and that da Vinci's anatomical drawings were highly accurate.

Dr. Stites, using slides showing da Vinci's sketches, also refuted other misconceptions about da Vinci. Freud claimed that da Vinci had been mistreated as a child and was psychologically abnormal. Dr. Stites found in his research that da Vinci had been treated well as a child. Dr. Stites also discovered a manuscript by da Vinci in which he had

psychoanalyzed himself. Psychoanalysis was not entirely originated by da Vinci; psychiatrists in ancient Rome treated insanity by having patients recount their experiences. Da Vinci's manuscripts also contain lists of word associations. Da Vinci also sublimated his conflicts, turning his inner drives into useful creations and inventions in art and science. From this and many other instances, Dr. Stites concluded that da Vinci was psychologically normal.

Dr. Stites also refuted allegations that da Vinci was not good in science and that his invention didn't work. Da Vinci once built a mill near his childhood home that worked from 1504 to 1908. Da Vinci also observed forces at work in nature and tried to work out their equations. At one point in his life, he also tried to make a field theory of force.

Dr. Stites also described the great breadth of da Vinci's interests and commented that his interests and much of what he did in later life stemmed from his early environment. He also mentioned that da Vinci was unable to attend the university because he was illegitimate (as were a third of the children born in Florence at that time.)

The lecture was presented by the joint Sigma Xi chapter of W.P.I. and Holy Cross.

Faculty Award Committee Formed

The faculty award committee has been formed. The committee, established by the trustees in 1959, chooses the recipient of the annual Board of Trustees' Award for Outstanding Teaching.

On 6 June 1959 the Board of Trustees voted:

"That a FACULTY AWARD be established to give recognition from time to time to a faculty member who, in the judgment of a suitable committee of the faculty, is an outstanding teacher who has made a notable professional contribution.....The professional contribution could be in any appropriate category, including distinguished excellence in teaching; writing a fine textbook; developing a significant new technique or method of analysis, procedure, study or teaching; conceiving an idea of great importance to the advancement of the engineering profession or of engineering education; directing or conducting outstanding research; creating an important invention; carrying out some distinguished service to the Institute, the community, the Nation or to mankind."

The Award is in the form of a citation presented by the Selection Committee, a framed Certificate provided by the Board of Trustees, and a check for \$500. Permanent recognition is provided by the

inscription of the name of the awardee on a plaque in Boynton Hall. A list of previous recipients appears annually in the College Catalog.

TO BE ELIGIBLE for the Faculty Award, the recipient must be a full-time member of the faculty actively engaged in teaching at the time that the selection is made.

INELIGIBLE ARE: (1) members of the administration, (2) heads of departments, unless they are carrying more than half a teaching load in addition to their administrative duties, and (3) members of the Faculty Award Committee.

If you have in mind some member, or members, of the faculty whom you feel should be considered for the Faculty Award, please send your suggestions, with supporting statements, in writing, to the Chairman of the Committee, Dr. David Todd, Chemistry. See page 229 of the 1970-71 Catalog for the names of the 1960-70 recipients. Professor J. P. van Alstyne was the recipient last year.

It is hoped, of course, that your recommendations will be in the hands of the Committee as soon as may be convenient to you; in any event, not later than Friday, November 20, 1970.

Will Honor Societies Stay?

by Mike Murphy

With the Honors Assembly so near in the past, perhaps it's time to consider the role academic honor societies play on campus and how this role will change with the implementation of the W.P.I. Plan.

During the past week several people gave their views on this question. They are all in some way connected with honor societies, but their opinions are quite different.

Bill Light, a senior chemical engineering student, is the president of Tau Beta Pi and a member of Phi Lambda Upsilon. He feels that honor societies are important in that they recognize those students who have excelled in the particular fields with which they are associated.

Bill continued by saying, "While most honor societies base their membership strictly on grades, TBPI gives equal weight to the extracurricular activities of the candidates. "In response to the idea of pledging students whose grades might not be up to the honor society's standards, but who have been involved in projects like the clean air car race, Bill said, "We have to limit membership to those who meet the academic standards set up by the national honor society."

Bill said that when the W.P.I. Plan is implemented it will be increasingly difficult to decide who should be pledged, since there will be no formal grading system. He feels that honor societies should be retained, however, as a means of giving recognition to those who have excelled.

A slightly different view of honor societies comes from Ben Katcoff, also a member of TBPI. He feels that in addition to recognizing the ability of the members, honor societies are extremely helpful in getting a good job. He said, "Most companies are very favorably impressed by the fact that an applicant is a member of a national honor society."

FORUM SOUGHT

The executive council of the student government met last Wednesday evening in the lounge of Daniels Hall. Seven of the twelve voting members were present, in addition to Student Body President Dave Hobill.

This was the fifth meeting of the year, but the first for the new Freshman Class Representative Dave Lapre, who was elected on October 22. For the course of his initial encounter with WPI governmental proceedings, Dave sat relatively quiet, and seemed to be taking everything in.

The annual Massachusetts Intercollegiate Government, which will be held in the Spring, was brought up by Dave Hobill. The MIG was initiated last year to get college students to participate in state government. Last year, the students actually served as a lobbying force in the State Congress, as they sponsored the bills which they themselves had passed, although many schools, including WPI, failed to attend. This year, however, MIG

Ben also emphasized the fact that honor societies provide a definite incentive for the ambitious student to do well in school. He said that the "pat on the back" aspect of the organization gives the member a feeling of accomplishment.

Concerning the selection of pledges in the future Ben said, "Under the new plan this is going to be a real problem. It will be impossible to determine who is in the top fifth of the senior class." He feels that faculty recommendations are going to have to be a prime deciding factor in the selection of future pledges.

The third person interviewed was asked to join an honor society and turned it down. He wishes to remain anonymous for the purposes of this article.

His first objection to honor societies is that while their stated aim is to recognize those students who have shown exceptional ability in science and engineering, they are incapable of doing this. He said, "Grades alone cannot tell you whether a person is going to be a competent engineer."

Secondly he feels that in a society already based on fierce competition we don't need any more. "By saying that its members are going to be better engineers, the honor societies are increasing the importance of personal competition."

In conclusion he stated that the honor societies give some students the wrong motivation to do well in their courses. "The motivation should lie in some goal other than their acceptance as a member of a national honor society."

Dr. W. D. Hobey of the Chemistry Department is a member of a national honor society, but is quite strongly against them. He said, "I don't think that in the present situation they have any important role."

Dr. Hobey gave two main

spokesman Bill Burke hopes to get Ninety colleges in Massachusetts to send students.

The issue of the "Angela Davis Debate" on Earle Bridge was discussed, but nothing constructive was offered by council members to lessen the tension which some felt had been building up.

Sophomore Class President George Bickford reminded the group of the "Canned Food Drive" which was sponsored by the IFC two years ago, and suggested that the student government make a similar effort this year. Everyone present was in favor of such a project, but no concrete plans have been made as yet. Such a drive would be for the benefit of needy families in Worcester.

The members of the council decided that it would be in their best interests, and that of the school, if more students started bringing their ideas to these meetings, which are usually held Monday evenings in Daniels Lounge.

reasons for this. "In higher education, people are coming to the realization that success is not measured in terms of course grades only," he said. "There are other talents useful to society. To hold up just one is a distortion. The W.P.I. Plan has recognized this fact whereas the traditional honor society hasn't."

His second objection is very similar to the first. He feels that the academic community is working towards a classless society and the honor societies are trying to create an elite. Dr. Hobey said that the distinguishing characteristic is not necessarily useful to society. "A class based on the accumulation of grades is like a class based on the accumulation of money."

Dr. Hobey emphasized the fact that if the honor societies are to remain at W.P.I. their methods of selection will have to change since the evaluation of students under the W.P.I. Plan will consider more aspects than class work.

The question of honor societies, of course, cannot be solved with the opinions of just four people. But perhaps the honor societies should ask this question: Will honor societies have a place in the new W.P.I., and, if so, what will that place be?

AEPI	- 19	DST	- 10
LCA	- 15	TKE	- 10
SPE	- 21	SP	- 16
PGD	- 12	PSK	- 16
TC	- 22	PKT	- 39
ATO	- 28	SAE	- 16

BEST FILM

NEW YORK FILM FESTIVAL!



"The most brilliant, incredibly marvelous film I've seen in 5 or 6 years!" — REX REED, Holiday

"A fascinating film, abrasively contemporary and hauntingly universal!" — JUDITH CRIST, New York Magazine

"A striking movie! Eloquent and important!" — PENELOPE GILLIATT, New Yorker

"If you see nothing else this year, you must see Five Easy Pieces!" — RICHARD SCHICKEL, Life

FIVE

JACK NICHOLSON

KAREN BLACK and SUSAN ANSPACH

EASY PIECES

68 FRANKLIN ST. PHONE 791-6851
Paris CINEMA 1&2

YOU HAD "EASY RIDER", "BUTCH CASSIDY", "THE GRADUATE" NOW ITS "FIVE EASY PIECES".

WILL I.R.S. CURTAIL COLLEGE POLITICS?

by Stephen Page

College Newspapers, and even Colleges themselves, may find that they are without Tax Exemptions due to involvement with Politics. This is clearly shown in the case of The Spectator, Columbia's undergraduate newspaper. The self-supporting Spectator was informed that if it continued to endorse political candidates and take strong stands on political issues, its tax exempt state would be revoked. This was based on a part of the IRS law that had rarely been enforced before.

This particular case has made many Colleges and Newspapers across the country wonder what rules they must abide by to retain their tax exempt status. When an independent, non-profit organization applies for tax exemption, it must answer 'no' to the following questions:

"Are you now, have you ever been, or do you plan to be engaged in carrying on propaganda or otherwise advocating or opposing pending or proposed legislation?"

Do you participate or plan to participate in or intervene in (including the publishing or distributing of statements) any political campaign on behalf of or in opposition to any candidate for public office?

If an organization violates any of these regulations, they will most likely lose their tax status. Now the question arises whether or not a college newspaper that is not independent could lose for the college its tax exempt status by failing to abide by these regulations. The conclusion reached by lawyers, is that if a newspaper is given space and

material by the college, then it is considered the voice of that college. The college is directly responsible, and therefore liable.

A case such as this has recently come up at St. John's University. The University announced its intention to take "all steps necessary" to prevent loss of its status as a tax exempt institution. The Downtowner, SJU's undergraduate newspaper, received a warning, outlining what type of material the University does not think it should print. This was done on the advice of the University's legal counsel after the problems at some of the other colleges in the country.

The Downtowner was informed that the University did not want the paper to print editorials, feature stories, signed columns, or letters to the editor that in any way dealt with the political campaigns that are being waged on the local or state level. If such stories appear, The Downtowner faces the probability of losing facilities and funds, and the newspaper will not be mailed off-campus. A spokesman for The Downtowner said that "the University's interpretation of the law is so extreme that it, in effect, squelches several constitutional freedoms in its attempt to cover itself on one IRS regulation. I don't think this was the intention of the law to start with."

Another offshoot of SJU's position lies in the area of guest speakers. Those speakers concerned with politics are being discouraged, and if they still want to speak, they will have to rent the space. Also no one from outside the

THE ZIG-ZAG PAPERS

WELCOMES YOUR CONTRIBUTIONS.

This year's theme is fantasy: dreams, trips, mind excursions, etc. Contributions should be left in the Tech News Office

campus will be allowed to hear the speech. These restrictions are to make sure that the University retains its tax exempt state.

Commentary

It would appear that The Downtowner is in serious trouble because, for all practical purposes they are being censored. One of the basic purposes of a college newspaper is to arouse interest, controversy, and to keep the students well informed. If a newspaper cannot touch on politics at all, then it is definitely failing in one, if not all, of these points. At election time students are interested in politics, they want to know the facts and other peoples opinions. The obvious format for this is the college newspaper. If the paper can not be used for this, then it appears that their rights have been infringed upon.

No one knows whether all this controversy will have an effect on The Tech News here at WPI. It is quite obvious that the newspaper deals with politics. (The entire College Column this week is devoted to it) but whether or not the administration would clamp down on the newspaper remains to be seen. Probably the more important question would be, do they have the right to do so, or would they be infringing on the freedom of the press?



by Stephen Page

(Rensselaer Poly Tech, Troy N.Y. The Polytechnic)

Two weeks ago, Reid Buckley, brother of James and William F. Buckley went to Rensselaer to speak before the student body. He was campaigning for his brother James, who is currently running for the office of New York State Senator on a Republican Conservative ticket. The main point of Buckley's speech was 'up with the conservatives' and 'down with the liberals'. He cited that many virtues of the conservative philosophy and the failings of the liberal one. He contended that the problem with the liberals is that they are given so much exposure by publicity that they are being stripped of any concrete philosophies they might have.

At this time Buckley stopped to make one point clear to his audience. "I am not a candidate. I am speaking for my brother Jim who would be here if he could." Buckley told of how his brother wants to help bring about a better America, how Jim's concern reaches into the future and reaches out to today's young adults.

Quotes Aristotle

"And this is no jazz," he said. "I'm not going to try to flatter you." He continued by explaining the candidate's view towards young adults, quoting a famous phrase by Aristotle: "To the incompetent, knowledge brings no profit." Jim Buckley doesn't favor lowering of the voting age for national elections; he feels that today's young adults do not have the necessary experience.

The speaker indicated some of the "inconsistencies of youth": they are continual users of the automobile and yet they complain about pollution; they form one of the largest consumer groups in the economy but they criticize the society for being too materialistic. These are only two of the examples he gave.

Buckley constantly referred to Senator Charles Goodell (R, N.Y.) Democratic candidate and Ottinger, criticizing their philosophy. He said that these two men are in favor of big government, the type of government which is stifling to individual freedom. He felt today's youth has been defrauded by the people who have run our government for the past thirty-seven years: the liberals.

According to Buckley, the conservatives empathize with those young adults who have used the liberalism-supported means of drugs, agnosticism, Marxism and witchcraft to escape the reality of life. He expressed the feeling that if people are resorting to such extremes then something must be wrong with life the way it stands right now. Conservatism is a philosophy which upholds freedom and peace. It places the individual above all else. In contrast he talked of the way liberalism masses men into a big lump and makes them conform to definite standards.

Decentralization

Jim Buckley favors a de-centralization of governmental power. As his brother, Reid, put it: "For every power given to the federal government, a privilege is taken from two hundred million people." "We do not want a government of IBM, by computers, for computers. We want a human government; the citizen should feel that he counts, not that he is counted."

Expanding the above ideal, Buckley added that along with a decentralization of government must come more self-discipline on the part of each and every individual. Without such personal imposition of certain fundamental ethics there can be no cut in the power of "big government."

Individual

Buckley concluded his speech by saying that his brother cares for the individual; he has faith in America's young and old. The candidate, so the speaker said, in a radical in search of a change in today's society. But I always thought he was a conservative.

(SMU, Dartmouth, Mass. The SMU Torch)

On Wednesday, October 14, 1970, Attorney General Robert Quinn spoke to the student body of SMU. In attendance were Quinn's campaign workers, members of the press, and approximately 200 students and faculty members.

The attorney general's prepared statement centered on the subject of drug use and abuse. Throughout his speech he took a hard stand against amphetamines and their use, both legal and illegal. He stressed that the only way to reach final solutions concerning any controversial problem is to work with these reference to his stand against drug abuse, he pointed out the widespread, free-wheeling legal use of amphetamines, a practice which the attorney general feels should be drastically curtailed. Quinn stated that he was in favor of revision of drug laws concerning marijuana, although he is opposed to legalization of the drug. The attorney general stressed the significance of last years Drug Rehabilitation Act, and the importance of establishing more drug rehabilitation centers. In closing, Quinn again emphasized the importance of a working, non-violent relationship between students and the establishment. He stated that young people have many answers to some of the controversial solutions. Finally, Quinn added that the only way any answers of solutions will be found is for all political factions and voices to work together non-violently within the system.

Following Attorney General Quinn's speech, a question and answer forum was conducted, during which several topical issues were discussed. After commenting on birth control, the attorney general suggested that the laws be liberalized to the point where no distinction is made between married and un-married women. He added, however, that internal contraceptive devices be distributed only by doctors, because in some cases, bodily harm may result from an untrained application.

Annual Report

cont. from pg. 1 col. 5

practical standpoint, is futile and self-defeating, and that from the more important moral standpoint, it is unethical."

Does this language seem not quite "religious" to you? Do you think the letter is too overtly secular? If so, you had better reconsider the legal definition of a "religious" C.O. You see, the letter was written by Daniel Seeger who was found to be entitled to the C.O. exemption by the United States Supreme Court.

We welcome your questions and comments about the draft law. Send your questions to Mastering the Draft, Suite 1202, 60 East 42nd Street, New York, N.Y. 10017.

He sounds a note of optimism in his conclusion. "In summary, the first public financial statement for WPI cannot be called bleak. In spite of an operating deficit, the excitement and challenge of a recharged academic plan coupled with increased revenue support and the foundations of realistic and prudent financial planning will make possible the return of balanced budgets," he predicted.

DRAFT INFORMATION COLUMN MASTERING THE DRAFT

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A Secret CO'S Religion

Many young men are secret C.O.'s. Unfortunately the secret is kept even from themselves. While their beliefs are "religious" according to current law, the secret C.O.'s remain needlessly hung up on the word "religious."

That word is still very much a part of the law. The Selective Service Act requires that conscientious objection to participation in war in any form must exist "by reason of religious training and belief." This key phrase has been interpreted broadly by the Supreme Court.

Five years ago, in *United States v. Seeger*, the Supreme Court declared that a draft board's central task is "to decide whether the beliefs professed by a registrant are sincerely held and whether they are, in his own scheme of things, religious." "The reference to the registrant's 'own scheme of things,'" observed the Court this year in *Welsh v. United States*, "was intended to indicate that the central consideration in determining whether the registrant's beliefs are religious is whether these beliefs play the role of a religion in the registrant's life."

To make this determination a draft board can first listen to the registrant himself. If he uses the word "religious" to explain the nature and role of his beliefs, he is declaring, in effect, that his beliefs, no matter how unorthodox, do, in fact, function as his "religion." "In such an intensely personal area," the Supreme Court warned in *Seeger*, "the claim of the registrant that his belief is an essential part of a religious faith must be given great weight."

Of course, the registrant's claim, while persuasive, is not determinative. A far more objective test was announced by the Supreme Court in *Seeger*. Under this test, the requirement of "religious training and belief" can be fulfilled by "a sincere and meaningful

belief which occupies in the life of its possessor a place parallel to that filled by the God of those admittedly qualifying for the C.O. exemption..."

With this formula in mind, consider the beliefs expressed by one Forest Peter, a co-defendant with Daniel Seeger in *United States v. Seeger*. "Since human life is for me a final value," Peter wrote in his C.O. questionnaire, "I consider it a violation of moral law to take human life. . . . In so far as this conviction is religious, it has been best described...as follows: 'Religion is the consciousness of some power manifest in nature which helps man in the ordering of his life in harmony with its demands... (it) is the supreme expression of human nature; it is man thinking his highest, feeling his deepest, and living his best.'"

At his trial (for refusing induction) Peter testified: "I think my actions are probably motivated most thoroughly by a feeling of relationship and love (toward) other living objects in the world, and in seeing these other living objects, I can narrow it down closer; I can define it as a belief in the mystery of the heart of them, the essence of being alive, and my respecting and loving this livingness in other objects and human beings...I suppose you could call that a belief in...God. These just do not happen to be the words I use."

Despite the words Peter did use, his beliefs were held to be "religious" under the Supreme Court's definition of "religious training and belief." In part of the *Seeger* opinion, the Court decided that Peter's beliefs occupied in his own scheme of things a place parallel to that filled by the God of a more traditionally religious person.

Last June the Court took the same approach again in the *Welsh* case. Elliott Welsh's beliefs also

fulfilled the *Seeger* test. In so finding, the Court ruled: "If an individual deeply and sincerely holds beliefs that are purely ethical or moral in source and content but that nevertheless impose upon him a duty of conscience to refrain from participating in any war at any time, those beliefs certainly occupy in the life of that individual 'a place parallel to that filled by...God' in traditionally religious persons. Because his beliefs function as a religion in his life, such an individual is as much entitled to a 'religious' conscientious objector exemption...as is someone who derives his conscientious opposition to war from traditional religious convictions."

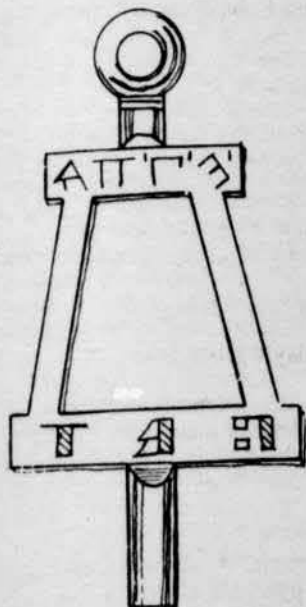
By now you can see that whether or not your beliefs are "religious" is purely a legal question. If your beliefs meet the *Seeger* test-as reaffirmed in *Welsh*-then they are "religious" according to the supreme law of the land. Therefore, you would be legally justified in calling your beliefs "religious." Remember, you are really pressing a point of law, not settling a metaphysical debate; and your claim that your beliefs are "religious" is entitled to "great weight."

Try to read the following letter written to a draft board and decide whether the language reveals "religious" beliefs: "As a result of a number of problems of conscience with which I have been preoccupied for the past months," one registrant wrote, "I am bound to declare myself unwilling to participate in any violent military conflict, or in activities made in preparation for such an undertaking. My decision arises from what I believe to be considerations of validity from the standpoint of the welfare of humanity and the preservation of the democratic values which we in the United States are struggling to maintain. I have concluded that war, from the

HONOR SOCIETIES ANNOUNCE PLEDGES

The Honor Societies at W. P. I. held their assembly on Thursday, October 28. At that time each honor society announced its pledges for Fall, 1970.

Tau Beta Pi is the national engineering honor society. Its junior are in the top 1/8 of the class; its seniors, the top 1/5. They also must show an active support in extracurricular activities. The purpose of this society is to distinguish members of the engineering field; this local chapter also helps out other students by tutoring. This semester's pledges are:



Seniors:

Robert Charles Blaisdell,
Joseph Alfred Dumais, Thomas
Joseph Kaminski, Richard Patrick
San Antonio, Norman Warren
Sousa, Jr., Richard Tino, Jr.;

Juniors:

Lesly Eleanor Small;

Eminent-Engineer:

Dr. Arvid E. Anderson, '20.

Dedicated to the purpose of maintaining and promoting the status of Civil Engineering as an ideal profession, and to honor certain members, is Chi Epsilon. Members are selected from the top 1/3 of the Senior and Junior classes, with further selection based on the individual. Along with tutoring, the local chapter tries to sponsor speakers for the CE Department. Pledges for this semester are:



Seniors:

Frederick Mulligan

Juniors:

Thomas Tracey, John
Burke, Robert Pascucci, Gene
Roe.

Faculty:

Professor Kris Keshavan.

The national honor society for Chemistry and Chemical Engineering is Phi Lambda Upsilon. Communication between students and faculty is a major purpose of the local chapter, along with honoring students. Extracurricular activities, both academic and non-academic, are further bases for selection from the top 1/4 of the Senior class and the top 1/3 of the Junior class. This semester's pledges are:



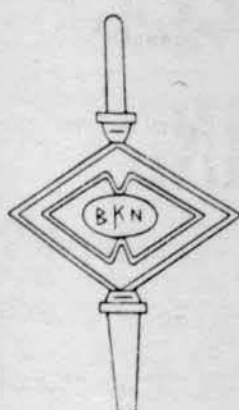
Seniors:

Joseph Lapwecz, Douglas
Holmes;

Juniors:

Jeff Askanazy, John
Kaleteski, Charles Brine, Wesley
Pierson.

Eta Kappa Nu, the national Electrical Engineering honor society was founded to bring a closer union between those who have shown a deep interest and marked ability in this field. This criteria is kept in mind when selection is made from the top 1/3 of the Senior class, and top 1/4 of the Junior class. The local chapter is trying to get a unique system here, where members of the chapter will staff the EE labs after class-time, to allow students to work on their own projects. The pledges for this fall are:



Seniors:

Thomas Werb, Barry
Belanger, Atwin Clarke, John
Bowsy, Louis Pulzetti, Martin
Strong, Joseph Canter;

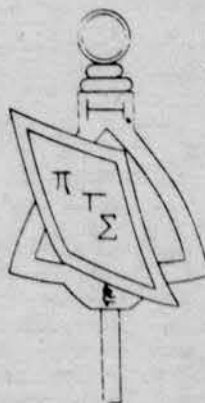
Juniors:

Lance Ellsworth, James
Lacy;

Faculty:

Prof. Owyang.

The national honor society for Mechanical Engineering, Pi Tau Sigma, was established to honor distinguished students, and to foster a closer bond between them. These students, Seniors and Juniors, must have CQPA of 3.0; there is an additional selection based on character. The local chapter has plans for the orientation of freshmen deciding on their majors. This semester the pledges are:



Seniors:

Paul Sandberg, Francis
Scricco, Steven Christopher
Watson, Donald Usher, David
Demers;

Juniors:

Savloi Grout.

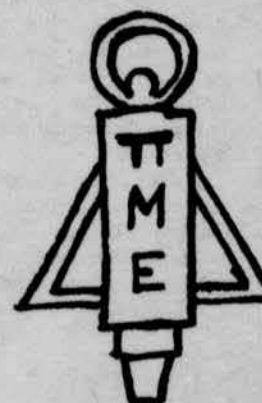
Pi Mu Epsilon, the national honor society of Mathematics, was founded to promote scholarly activity in mathematics among students and faculty, along with honoring distinguished members of the student body. Each pledge has a CQPA of 3.0; Seniors are in the top 1/3; Juniors, the top 1/4. They are expected to each give a talk in some phase of mathematics. The pledges for this fall semester are:

Seniors:

Stephen Chan,
Robert Mills,
George Nisotel,
Peter Welles,
Tom Werb;

Graduate:

Elaine Kowaleski;



Juniors:

William Goodhue, Pat
Lavigne, Lesley Small;

Faculty:

Prof. Lee Ester
Prof. Luke Zaccaro.

Pi Delta Epsilon is the national journalism honor society. At W. P. I., the members are chosen from the various communications media in recognition of outstanding performance by the individual in his particular field of endeavor. The following people were chosen:



From the Tech News:

Richard DuFosse, Copy Editor;
Alan Shapiro, Photo Editor;
Frank Steiner, Sports Editor;
Don St. Marie, Sports Editor.

From the Peddler:

David Ture, Photography Editor.

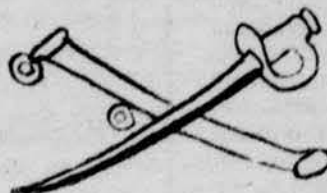
From WICN:

Mike Winn, Bob Rosenberg.

From the Literary Magazine:

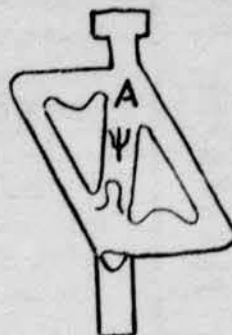
Joe Landwehr.

Scabbard and Blade is the national military science honor society. This fall they pledged the following people:



Ray Johnson
Andy Glazier
Dan Singleton
Bruce Szypot
James Hall
Donald Taft

Alpha Psi Omega is the national dramatics fraternity. Members are chosen for their significant contributions to college dramatics.



Seniors:

Dave Hobill

C.B.

H.H. G.W. E.K.

R.S. M.K. A.G.

C.B.



DANCE TROUPE TO APPEAR AT WPI

With the appearance of the Connecticut - Wesleyan Experimental Movement Lab at WPI on November 10, 7:30 p.m. in Alden Hall, Worcester will enjoy what is clearly the most unusual event of the 1970-1971 Spectrum series.

Comprised exclusively of a dozen or so undergraduates from Connecticut College for Women, a school long known for its commitment to modern dance, and from nearby Wesleyan University, the group has been a functioning unit for nearly five years. The moving force behind this fascinating venture is a member of Connecticut College's faculty, Martha Myers. An active participant on the professional dance scene, she numbers among her co-workers the leading creative forces in dance today, Merce Cunningham, Jose Limon and the now legendary Martha Graham.

In the course of five brief years since its inception, Connecticut-Wesleyan Dance Group has appeared on television in New York City and in New England and are regular visitors on the college campus scene where a far-reaching enthusiasm for modern dance appears to have taken firm hold.

According to Miss Myers, natural body movement is essential to the communication of emotional expression and this is precisely the troupe's prime target. Worries about pointed toes are virtually non-existent to this improvisatory experience; what counts is the emotional thrust gained from completely unencumbered physical movement.

Unlike some groups who today dispense wholesale with any musical accompaniment this unit believes thoroughly in an aural backdrop. Rarely, though, does it

take the form of any recognizable dance music, Electronic sounds, chanting and in some instances assorted groans, grunts and squeaks from the dancers and possibly the audience are more likely.

For their program at WPI the troupe will dance in the round, rather than on the stage. It is felt that a much more direct form of communication between the dancers and their audience is established without the additional barrier imposed on everyone by a stage.

The program, like other events in WPI's Spectrum series, is free and open to the public. Further inquiries may be directed to WPI Information.

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The Gambia, Uganda,
Malaysia, Micronesia,
Philippines,
Sierra Leone

CHEMISTRY:

Ghana, Malaysia,
Sierra Leone,
Eastern Caribbean,
Honduras

BIOLOGY:

Thailand, Tonga,
Guatemala, Kenya,
Chile, Peru, Guyana,
Honduras, Malaysia,
Korea, Uganda,
Ghana, The Gambia

PHYSICS:

Ghana, Korea,
Uganda, Malaysia,
Philippines,
British Honduras,
Eastern Caribbean

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liaison on campus or:

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Peace Corps
408 Atlantic Ave.
Boston, Mass. 02210
(617)-223-7366

WHAT'S UP

Tuesday, Nov. 3

Film—"Night of the Generals" Free 7:30 p.m. Worc. Art Museum.
Election Day—Get out the Vote.

Wednesday, Nov. 4

Cinematech I—"The Kinetic Art", 7:30 p.m., Alden Hall, W. P. I.

Friday, Nov. 6

Recital—Donna Roll, Soprano; and Felix Wolfes, Piano 8:15 p.m., Atwood Hall, Clark University.

Play—"Lovers", Anna Maria College 8 p.m.

Military Ball, 7:30-11 p.m., Alden Hall, W. P. I.

Saturday, Nov. 7

Film "Bach Transmogrified", Leonard Bernstein and New York Symphony Orchestra 11 a.m., 1 p.m., Worc. Art Museum.

Seminar—"Participating in Politics" 9 p.m.—5 p.m., Worcester State College.

Play—"Lovers", Anna Maria College, 8 p.m.

Sunday, Nov. 8

Play—"Lovers", Anna Maria College, 8 p.m.

Tuesday, Nov. 10

WPI Spectrum Series: Connecticut-Wesleyan Experimental Movement Lab, Modern Dance, 7:30 p.m., Alden Hall, W. P. I.
195th Birthday, U. S. Marine Corps.

REVIEW

MARAT-SADE

by Tom Carrier

Set in 1808 in France The Persecution and Assassination of Jean Paul Marat as performed by the inmates of the Asylum of Charenton under the direction of the Marquis de Sade is a play written by Peter Weiss about the French Revolution but which can be applied to revolutions in general. As Peter Brook states in the introduction of the book of the play—"The eden of the play is the play itself, and this cannot be resolved in a simple slogan. It is firmly on the side of revolutionary change. But it is painfully aware of all the elements in a violent human situation and it presents these to the audience in the form of a painful question."

"The important thing is to pull yourself up by your own hair.

To turn yourself inside out and see the whole world with fresh eyes."

Marat

Peter Weiss, accomplishes this by presenting to us the two classes of people at that time - the upper class nobility and the lower class poor. By portraying the falsehood of the intentions of the upper-class toward the wants and needs of the lower-class poor (who in this case are supposed to be mentally sick) and the poor's gradual realization of this falaciousness Peter Weiss builds up the emotions and tensions which are realistically acted out on stage, surging toward the climax. The scenes and events are many-too many to list here-but the main cause is revolution not for the good of few, but all - not for specific wants and desires, but for the longer, farther reading goals of freedom. As Sade states "It's easy to get mass movements going - movements that move in vicious circles. I don't believe in any of the sacrifices that have been made for any cause - I believe only in myself." This then is the story of a revolution - the parallels for today can be quite obvious: a national leader's feigned concern for the poor and deprived; the skillful subjugation of freedoms and liberties of all individuals; both the educated and the neglected by the aristocracy; the selfish desires of those who "jump on the band wagon" but aren't really willing to give of themselves for their alleged beliefs. These and many other points are worth pondering. As Peter Brook states in the introduction -

"A play in performance is a series of impressions which stir the audience's perceptions. A good play sends many such messages, often several at a time, often crowding, jostling, over-lapping one another. The intelligence, the feeling, the memory, the imagination are all stirred." Those who took part in the moratoriums last fall and spring should read the play and question their own motives. Those who claim to be liberals and want to change the system, those who feel "left-out" or neglected and want to strive for something better should read the play and question their own feelings and motives as the Marquis de Sade did.

ATTENTION !!

Anyone who hasn't received their Redstone Theatre Discount Ticket yet, contact Joe Kaye or Ben Katcoff through the "K" Box in Boynton.

AT "FRIDAY THE 13th" Coffee House FRIDAY, NOVEMBER 6

John Fahey

TWO SHOWS

8:30 P.M. and 10:00 P.M.

Admission \$1.00

FREE COFFEE, REFRESHMENTS

SENIOR CLASS MEETING

NOV. 5 — 10:45 a.m. — Alden Hall

Seniors and Grad Students interested in
taking job interviews SHOULD attend

this meeting.

Review . . .

BEETHOVEN'S NINTH ENDS WORCESTER MUSIC FESTIVAL

by Dave Hobill

Last Friday night the IIIth Worcester Music Festival ended in the War Memorial Auditorium with a moving performance of the Symphony No. 9 in D. minor, opus 125 of Ludwig van Beethoven.

Sixten Erling conducted the Detroit Symphony Orchestra, Worcester Chorus and soloists. The soloists were Karen Altman, soprano; Joan Caplan, contralto; Allen Cathcart, tenor; Eugene Holmes, bass.

Alfred Nash Patterson, director of the Worcester Chorus, directed the chorus and orchestra in an Elegy of Beethoven in memory of the Late Michael C. Dowd a supporter of the festival and Worcester County Music Association. This plea was a stirring tribute to anyone dedicated to the world of music. The performance was somewhat over sentimental but the power and forcefulness of Beethoven was by no means lacking.

Opening the concert with the Symphony in Three Movements of Igor Stravinsky, Mr. Ehrling was able to circumvent any major problems that might arise in the second and third movements. The first movement was quite lively but not very profound. Stravinsky in this movement had refined the Neo-classic style he developed earlier and this could easily be heard through the clarity of the orchestra's performance.

The latter movements, though did present some problems for both conductor and performers. There seemed to be a certain hesitancy on the part of the performers of solo passages to develop a synchronization with the rest of the orchestra. It also seemed as though certain members of the orchestra seemed to be lost in the polyrhythmic sections.

But, finally Ehrling was able to develop some continuity and sparkle during the end of the third movement. The fugue of the finale gained a great amount of momentum though it did seem to lack the final resolution expected of this work.

During the intermission much of the audience showed its real purpose for attending the last night of the festival—to meet old friends and talk about the old times and buy tickets for the Festival Finale which followed the concert. One couple sitting next to me was more concerned about who was attending than the performance and one young lady behind me felt that she needed more champagne if she was to enjoy the remainder of the concert.

The performance of Beethoven's Ninth by the orchestra and chorus was in a word remarkable. The soloists, though, did leave something to be desired. Ehrling was able to capture the majesty and massiveness of the symphony without resorting to exploitation of the more familiar themes. It seemed as though Mr. Ehrling understood the symphony as an entire entity in itself.

During the slow third movement, there exists the same romantic sentimentality that was present in the Elegy. Though very emotional it almost became the high point of the work. Yet throughout all this emotionality Ehrling remained poised until the development of the "Ode" theme in the fourth movement.

With the "Ode of Joy" came the most profound music of the night. Both the orchestra and chorus knew the importance of the fourth movement and was able to convey it with great mastery. The task before them was enormous, but they tackled it with a feeling of beauty and dexterity.

The soloists, though were not quite up for the challenge of the

last movement. Miss Altman's voice seemed to be a bit shaky though it was strong enough to be heard clearly. Cathcart was somewhat hesitant to project his voice fully with the feeling that was

needed. Both Misses Caplan and Altman had some problems with the tempo as they obviously were late with their introductory phrases. Holmes who began the vocal segment of the finale was

quite strong in the solo sections but somehow did not maintain this strength in the ensembles.

Praise does go to Ehrling, Patterson, the orchestra and chorus for the very moving

last passages of the finale. The tension that they built was overwhelming and they were able to carry it through until it was finally resolved with a great amount of emotion.



Venture: Use a love call to count bacteria.

The *lampyridae* beetle family. Delight of small boys. Biological light bulb. And prime source of raw material for another Du Pont innovation.

Luciferase, an enzymatic protein with intriguing properties, obtainable only from fireflies. Luciferin, an organic molecule also found in fireflies, but synthesizable. Adenosine triphosphate (ATP), a common energy-yielding substance found in all living cells.

Those are the three main ingredients in *lampyridae's* love light. And because ATP is common to all living cells, university researchers discovered they could produce an

artificial glow by mixing luciferin and luciferase wherever life is present.

Noting that phenomenon, Du Pont scientists and engineers went on to develop it into a practical analytical system. Correlating the intensity of the artificial "glow" with the amount of ATP present in bacteria, they designed a means of measuring the reaction.

The result is the luminescence biometer—the first really basic improvement in bacteria-counting methods since the time of Louis Pasteur. Rather than waiting days for a culture to demonstrate growth density, a doctor or technician can

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Other potentially lifesaving uses for the biometer are being suggested every day—such as diagnosing metabolic rates, enzyme deficiencies and nerve damage.

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Soccer Team Ends UMass Win Streak

Tech's varsity soccer team capped their eighth win of the season last week by defeating U. Mass., 3-2, on their home field, much to the chagrin of a hundred or more U. Mass. fans. This victory was more than just another game as the Engineers were able to break their opponents' unbeaten streak this season at five games, ruining their chances for an unbeaten season.

U. Mass. scored first as a cross from the right wing skipped past goalie Tom Terkanian and was tapped in by the left wing, Jack Blaisdell, called "panty-waist" by opposing players, tied the score at one apiece when he took a long lead pass from Bruce Kern and headed it over the on-rushing goalie and danced his way into the nets.

U. Mass. tallied again in the second period when a forward knocked both goalie Greg Stampfer and the ball into the nets on a highly questionable call.

The Engineers took control in the fast-moving third period as

Blaisdell brought the team back to life when he scored on a direct kick from twenty yards out, tying the school scoring record at fourteen goals in one season, with one more game yet to play this year.

Later in the same period, Lionel St. Victor tallied his sixth goal of the season on a penalty kick to put Tech ahead for the first time in the game.

The Engineers defense controlled the rest of the game, with the big blow coming late in the third period, when U. Mass. went bananas and put a penalty kick over the bar. Tom Terkanian won the game in the goal as he stopped shot after shot during the tense final period, saving the game in the last minute with a diving stab to the corner to block a desperation shot. Credit must also be given to the tough defensive play of Sund, St. Victor, Williams, and Rooney, who spent the game containing the talented U. Mass. line to only two goals. In the season finale next week, Tech faces A.I.C. here at 2:30 on Wednesday.

Freshman Gridders Win Finale, 14-8

After being in the doldrums for two games, the W.P.I. Freshman gridders put it all together last week against the young Jumbo's of Tufts University. The irony of the victory was in the fact that this first Worcester team ever to beat a Tufts Freshman Football team had gone scoreless in its first two contests.

Even though the young Engineers had not been beaten badly in their first two games, the first few minutes of this game looked like more frustration was in store. Suddenly, with Tufts on the Worcester 10 yardline a series of penalties pushed them all the way back to the 45 and from that point on the momentum changed hands.

Again, outweighed man for man by 20 pounds, the defense played its normal sterling game. The difference was that the offense continually came up with the big play, and time and time again ate up the clock with sustained drives.

The spark came when speedy guard Garry Nunes recovered a fumbled punt on the Tufts' 40. From this point on, the fired-up Frosh rolled over the stunned Jumbo's. Six plays later halfback Gene Dejackome roared in for a 14 yard touchdown run behind the path-clearing blocking of Nunes.

For the rest of the half the Tufts' offense was ineffective while Worcester wasted several scoring chances. On one such occasion, after a first down and goal to go on the Tufts' 9 yard line the Engineers could only get to the one yard line before being stopped on downs.

Speedster Dave Teixeira emphatically capped Tech's scoring by scampering 82 yards on a punt return the first time the offense

got the ball in the second half. Halfback Mike Graham, who also ran well all day, made the conversion attempt for another two points and a 14-0 Engineer lead.

Finally, early in the final quarter, Tufts got fired up and bruised their way through the defense for a touchdown and the two point conversion. The score was 14-8 with ten minutes left to play. The next time the Jumbo's got the ball, they seemed to have the momentum, but a re-fired up Tech defense was not about to let victory escape now that they were so close. Tufts after they had driven 30 yards was forced into a fumble with 3 minutes still remaining. From this point on, quarterback Geary Schwartz and the Engineer offense put on an amazing display of ball control. Starting at their own 15 yard line they clicked on several crucial third down situations to keep the ball just out of reach of the frustrated Jumbo's. The back-breaking play was a faked punt and run at midfield by Schwartz which changed a 4th down and 5 yard situation to a 1st and 10 on the 40. After that play Tufts could do no more than watch time run out with Worcester still in possession and on Tufts' own 15 yard line.

Congratulations are in order for all the freshmen for a season which was a lot more rewarding than their 1-2 record would indicate. The defense held the opposition to an average of only 9 points per ball game, while the offense improved steadily each week. All in all, despite their lack of size, the frosh showed that they will have to be reckoned within future years.

J.K.

The Tech News SPORTS

Harriers Insure Winning Season

On Saturday, October 31, the cross-country team split a triangular meet, losing to Williams but defeating the Coast Guard Academy for the first time in 15 years. The team record is now 7 wins and 5 losses and the victory over Coast Guard virtually assures a winning year for the harriers.

Over all team depth was again the reason for victory as the Engineers took 6 of the top fifteen places. Old reliable Mike Malone placed fifth. Rich Stockdale was 9th, Bill Light and Mark Hoyt were 11th and 12th respectively while Andy Murch placed 14th. Frosh star Purrington is coming on after a slow start and displaying fine form as he placed 15th.

Next Saturday the team travels to Trinity to meet that team and Amherst. With a little bit of luck and big efforts by everyone the team's final record could well be 9-5 which would be the best it has been in several years.

NOTICE

CINEMATECH I

The Kinetic Art

A program of experimental short films from many nations.

Will be shown

WEDNESDAY, NOV. 4

in Alden

at 7:30 P.M.

200 in Worcester

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rascism, labor and women's rights as related to the capitalistic system.

The next two speakers were the most interesting of the afternoon. A spokesman for Vietnam Veterans Against the War told of the efforts of his group to gain support for the anti-war movement by revealing a true picture of what goes on in Vietnam. He hoped that people would realize there can be no honorable peace in a dishonorable war. Next Don Johnston, a student from Kent St., spoke on the present situation at that university. Johnston told how sentiment at Kent is overwhelmingly against the grand jury's report and the indictment of the 25 people, none of whom were national guardsmen. He stated that the Ohio government fears the unity now present at Kent St. and while there will be no more violence, the state will try to suppress the college and close it down. He also expressed fear the Kent 25 will be railroaded through the courts and asked colleges to send donations for their defense fund.

The last speakers were Prof. Blout of Clark and John Lowell of the Worcester Student Businessmen Against the War, both of whom pretty much reiterated the previous speakers and urged the voters present to vote for immediate withdrawal.

Engineers Derailed By R.P.I., 15-14

Tech's Engineers lost a heart-breaker to rival R.P.I. last Saturday in a thrilling 15-14 defeat. Tech leading most of the game couldn't muster enough strength to beat back a second half of R.P.I.

R.P.I. led by pinpoint passing was a 48-yard curl pass from you of quarterback Bob Baron, the guessed it—Baron to Kontson. That catching of junior end Kalle gave R.P.I. a first down on the Kontson and the clutch running of Worcester seven. Here, Tesmer halfback Rick Tesmer, rallied slammed over left tackle for the from deficits of 7-0 and 14-7 to TD. Larry Fairchild booted the extra point and the score was dead-locked.

Baron, Kontson, and Ken Morris were the key performers in W.P.I. though, wasn't giving up R.P.I.'s winning TD drive with and proceeded to march 71 yards Baron hitting Kontson twice on key in 18 plays—aided by a 15-yard third downs, long yardage situation, roughing the kicker penalty—for a go-ahead touchdown.

The big play, though, came on Tech, with Deschenes, Scott Di-a third and 11 situation on W.P.I.'s neen, and Wayne Pitts carrying, 42. Here, Baron turned to Morris, took 18 plays to cover the distance. a 5-10, 178 - pound sophomore Quarterback Steve Joseph, finally halfback, and hit him with a perfect swing pass on the Tech 15. Stacehr for the score. Mark Dupuis He was finally knocked down out of bounds on the three. the afternoon and Tech was in

Two plays later, Tesmer scored his second touchdown of the afternoon, banging over from two yards the final period only to have a fourth-down pass for a first down

Quarterback Baron took the snap -- Joseph to co-captain Mike San-for center, swept to his right and, apparently tackled by the rug-

ged Tech defenders managed to pitch the ball to Morris, who 32 and proceeded to drive 68 darts around the right end for the yards in 12 plays—despite a 15-yard holding penalty—to score on

W.P.I. scored the second time Tesmer's two-yard run and then it gained possession in the first convert the ensuing two-point con-quarter, moving 46 yards in three version to finally break its 11-plays, with Charley Deschenes—game losing skein.

the leading groundgainer of the afternoon with 130 yards in 19 carries—vaulting over from 38 yards away.

Playing against a virtual eight-man line, Deschenes dashed through left tackle dashed passed the pulled-in secondary and raced the rest of the way untouched.

Tech threatened again in the second period, only to lose the ball on downs at the R.P.I. 23.

So rugged was the Tech defense in the first half that Rensselaer only moved into Tech territory twice.

CROSSFIRE

cont. from pg. 2 col.3

support those of his peers eager to make over the land. Rather as the Kansas farmer who will on election day vote Dry for his district if only he can stagger to the booth and locate the correct lever.

This, I repeat, is the direction we are drifting in, and given the absence of philosophical counterweights to adjust our trim, nothing can stop this progress. But given that a few of us on the hill would in fact be willing to work for the establishment of a separate voice, detailing the alternatives available to spiritual emptiness, there may be a good chance that an atmosphere of genuine controversy can be generated an atmosphere which will allow a student's independence to survive. The time may well be drawing near for the birth of a new conservative party at Worcester Tech.

Rensselaer 6 0 7 15
WPI 7 0 7 14
First Period: WPI — Deschenes 28 run (Dupuis kick)
Second Period: None
Third Period: R.P.I. — Tesmer, 7 run (Fairchild kick) 1:47; WPI — Stacehr, 3 pass from Joseph (Dupuis kick) 2:50
Fourth Period: R.P.I. — Tesmer, 3 run (Marris run) 3:14.

The Worcester Tech Hillel will hold a meeting on November 4, at 7:00 P.M. Rabbi Joseph Gold will speak on the "Aspects of Jewish Philosophy." The location of which will be at the Collegiate Religious Center, 19 Schussler Road, Worcester. For further information, contact Ira Weissman at 752-2290.

Anyone interested in being a member of the Library Committee please submit name to Dave Hobill (Head R.A. room basement Riley.)

This committee is now drawing up a book list for future library purchases.

Financial Aid

Second Semester
Emergency Loans
National Defense
Student Loans
College Work-Study
Programs
Applications available
NOV. 16
Boynton 304
DUE DEC. 14

NOTICE

ENVIRONMENTAL SYSTEMS STUDY PROGRAM AT WPI

Juniors-Sophomores

All Departments

OPPORTUNITIES FOR STUDENTS

IMPROVE Your Environment

WORK on Sponsored Engineering Problem During the Summer

GAIN Experience for Future Employment

PARTICIPATE on an Interdisciplinary Team INTERESTED?

For Information drop in at:

WPI's Environmental Systems Study Office
Mr. Joseph Mielinski, Administrator
Salisbury 04 Ext. 366